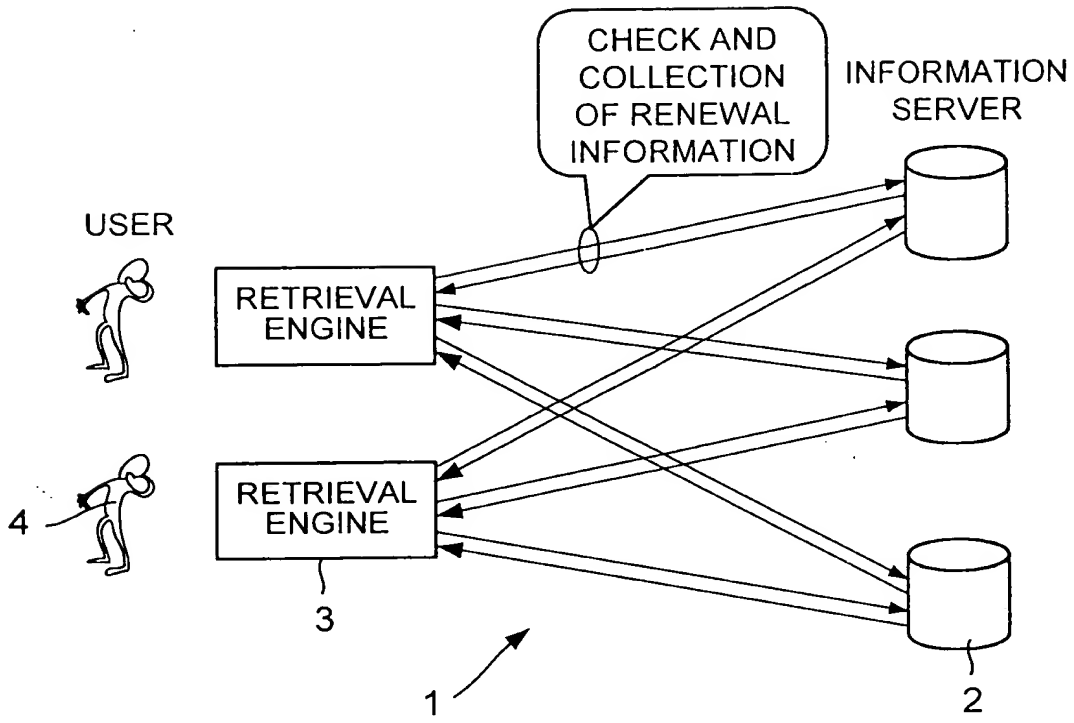
CHECK AND
COLLECTION
OF RENEWAL
INFORMATION
INFORMATION
SERVER
USER
RETRIEVAL
ENGINE
RETRIEVAL
ENGINE
4
3
1
2

Fig. 1

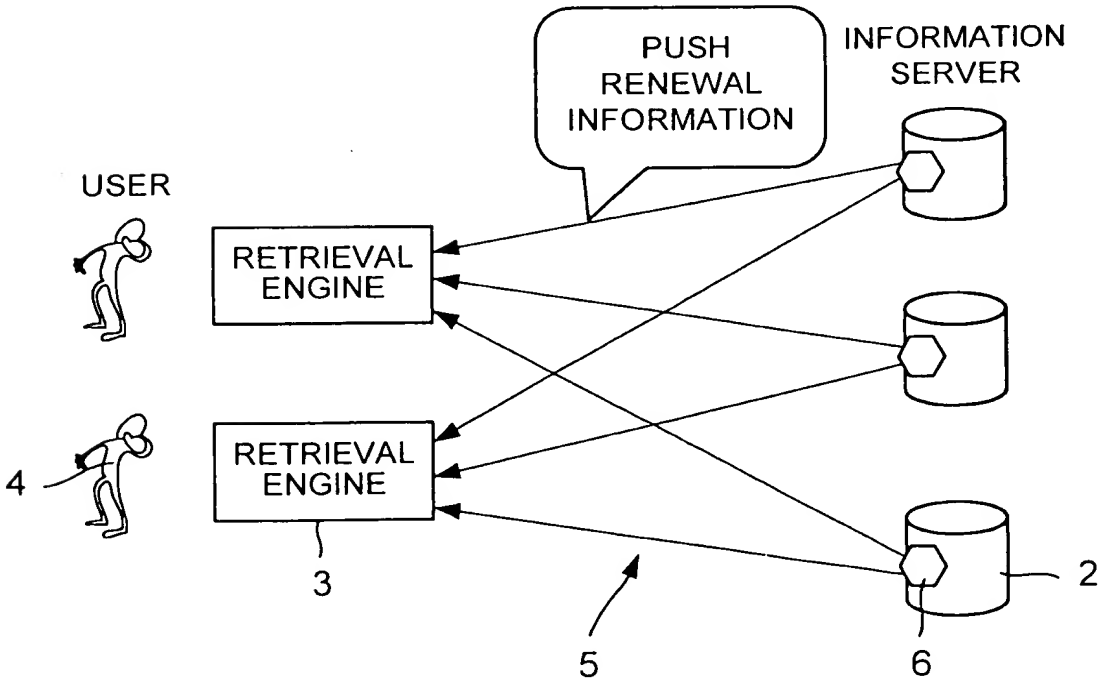
PUSH
RENEWAL
INFORMATION
INFORMATION
SERVER
USER
RETRIEVAL
ENGINE
RETRIEVAL
ENGINE
4
3
5
6
2

Fig. 2

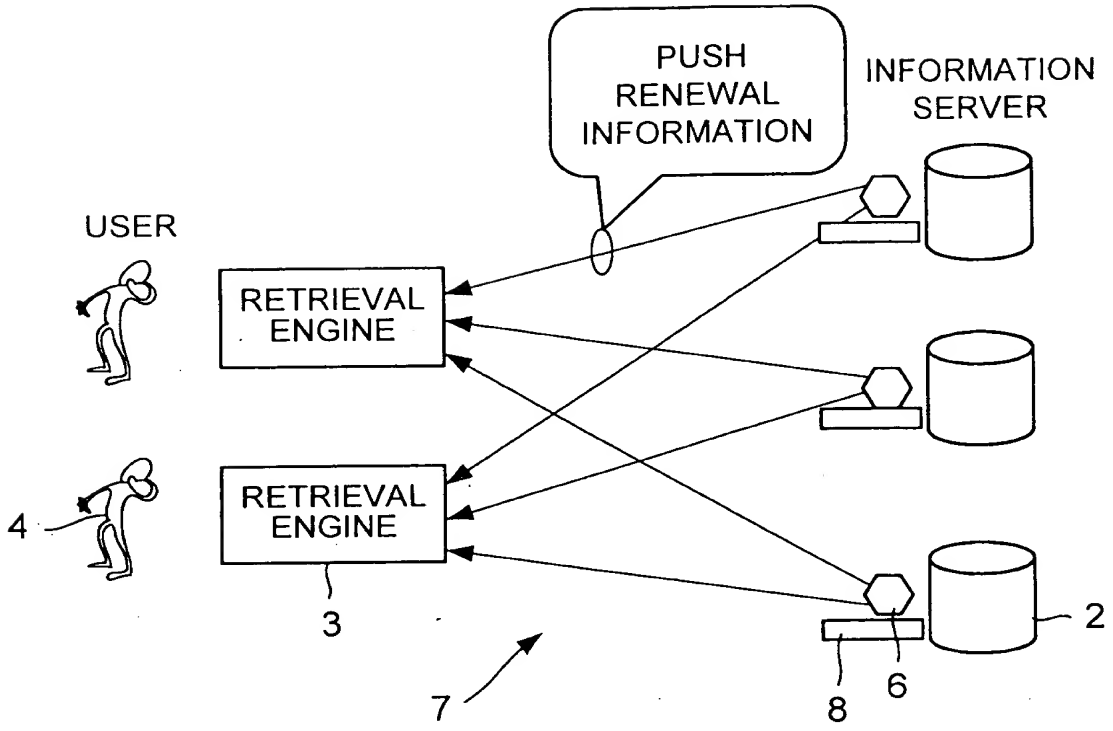
PUSH
RENEWAL
INFORMATION
INFORMATION
SERVER
USER
RETRIEVAL
ENGINE
RETRIEVAL
ENGINE
4
3
2
7
8
6

Fig. 3

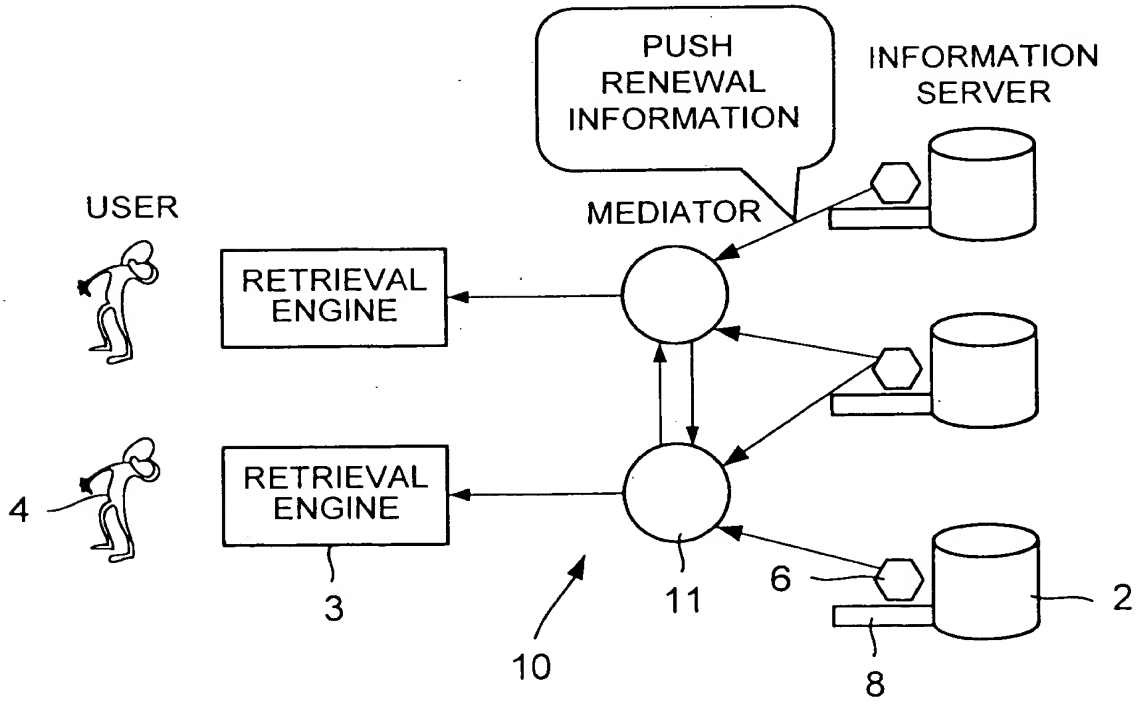
PUSH
RENEWAL
INFORMATION
INFORMATION
SERVER
MEDIATOR
USER
RETRIEVAL
ENGINE
RETRIEVAL
ENGINE
4
3
10
11
6
2
8

Fig. 4

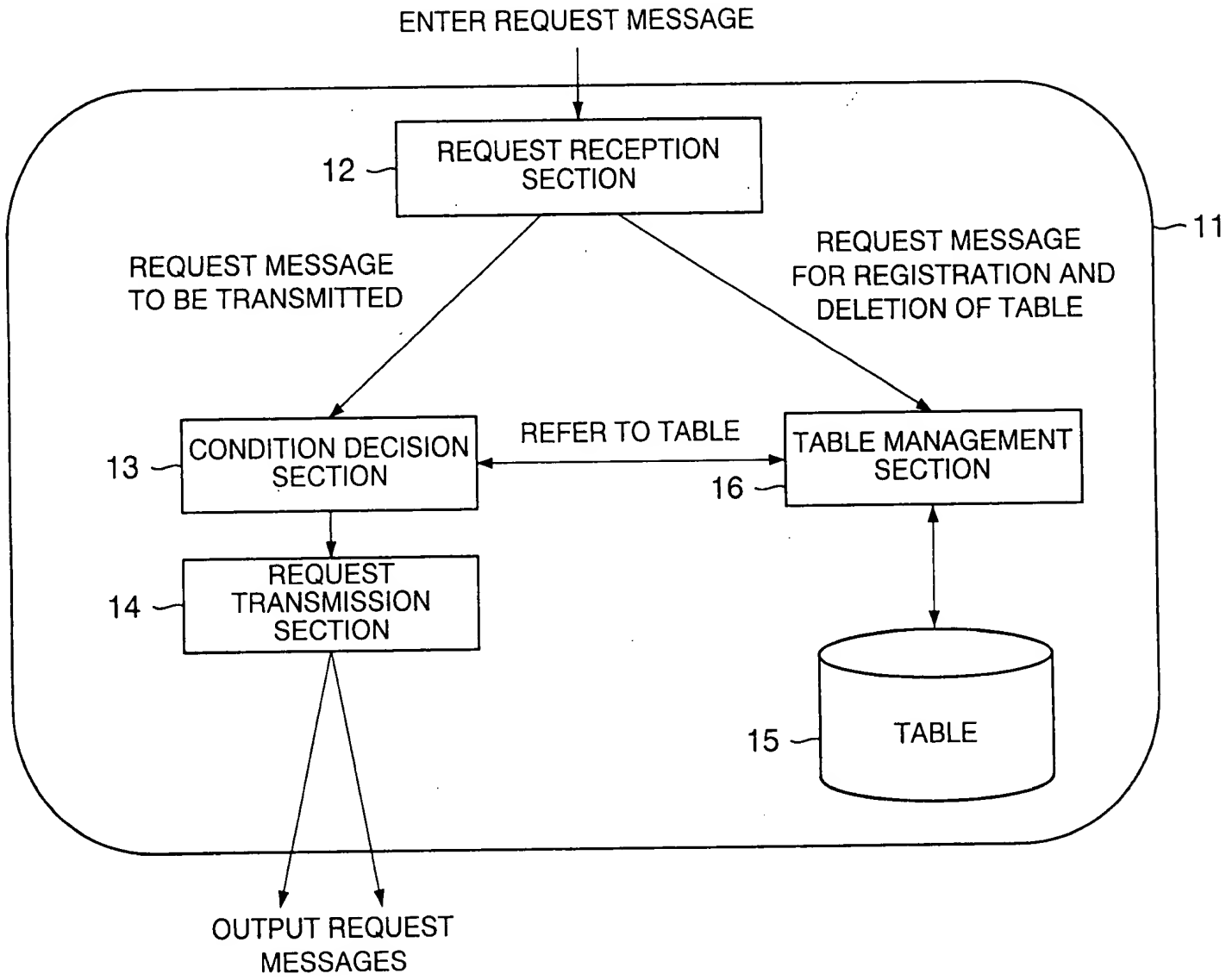
ENTER REQUEST MESSAGE
12
REQUEST RECEPTION SECTION
11
REQUEST MESSAGE TO BE TRANSMITTED
REQUEST MESSAGE FOR REGISTRATION AND DELETION OF TABLE
13
CONDITION DECISION SECTION
REFER TO TABLE
16
TABLE MANAGEMENT SECTION
14
REQUEST TRANSMISSION SECTION
15
TABLE
OUTPUT REQUEST MESSAGES

Fig. 5

ATTRIBUTE ·CATEGORY	ADDRESS
<PUSH PROGRAM, AMUSEMENT>	www.SportsServer.co.jp www.MusicServer.co.jp
<PUSH PROGRAM, PERSONAL COMPUTER>	www.PcServer.co.jp

22 21 20 23 23

Fig. 6

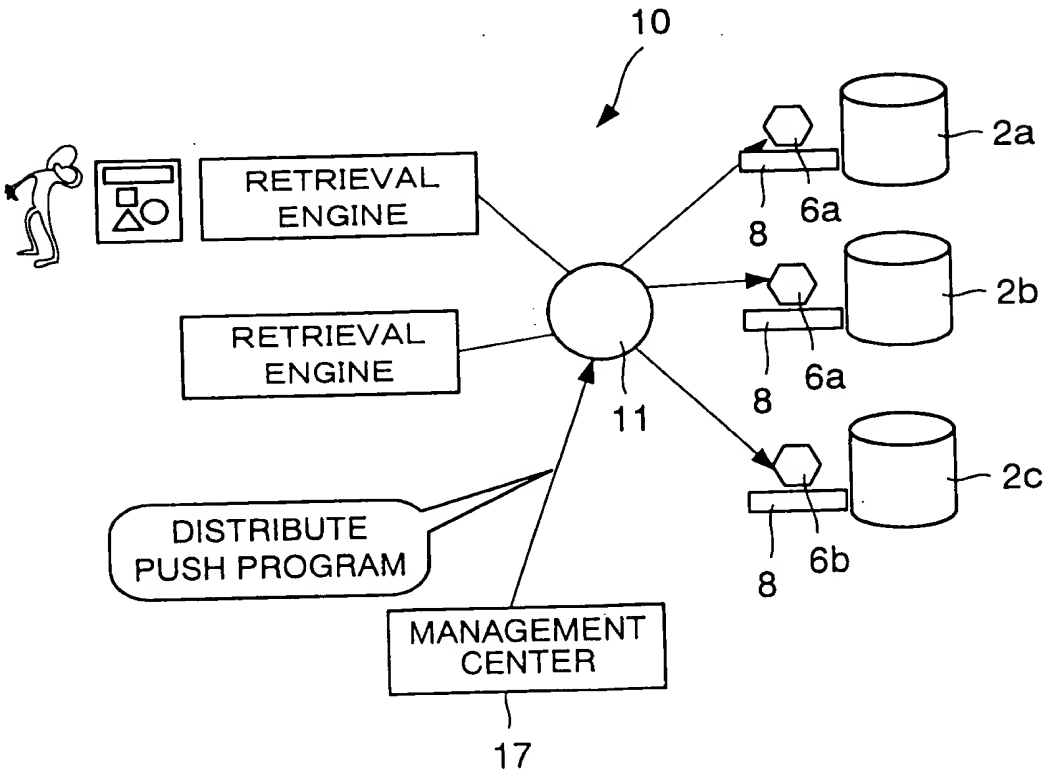

Fig. 7

22 21 20

ATTRIBUTE CATEGORY	ADDRESS
<PUSH PROGRAM, AMUSEMENT>	www.SporttsServer.co.jp www.MusicServer.co.jp
<PUSH PROGRAM, PERSONAL COMPUTER>	www.PcServer.co.jp
RENEWAL INFORMATION,SPORT>	www.AmuseSearch.co.jp www.SearchAll.co.jp
RENEWAL INFORMATION,MUSIC>	www.AmuseSearch.co.jp www.SearchAll.co.jp
RENEWAL INFORMATION,PERSONAL COMPUTER>	www.SearchAll.co.jp

Fig. 8

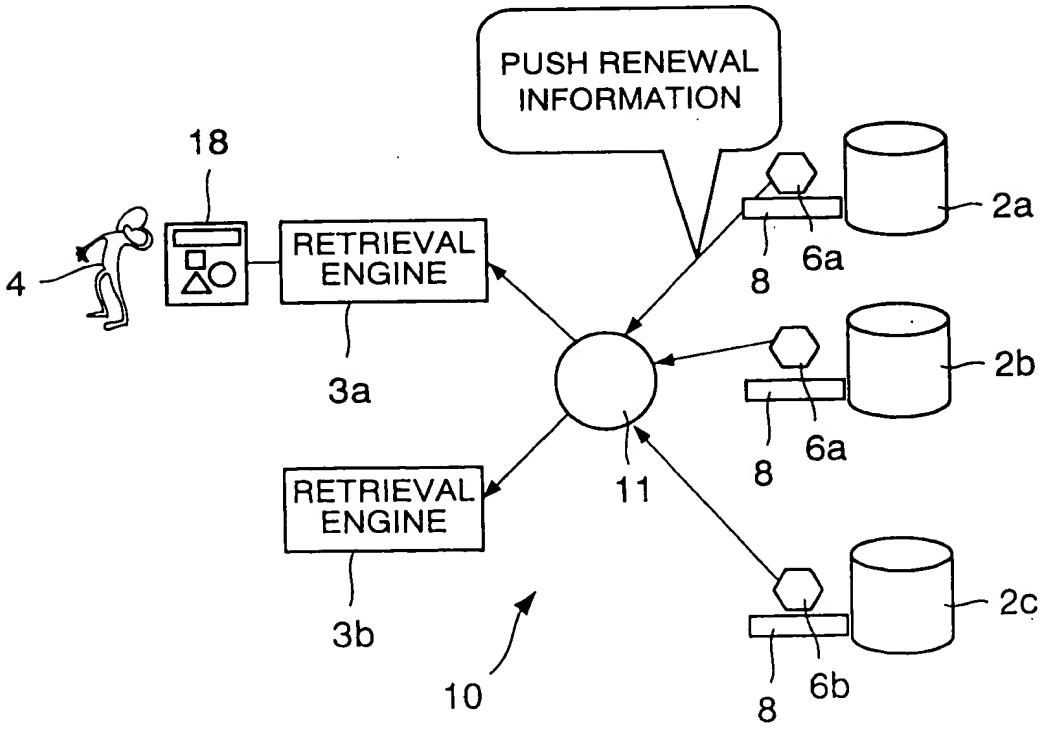

Fig. 9

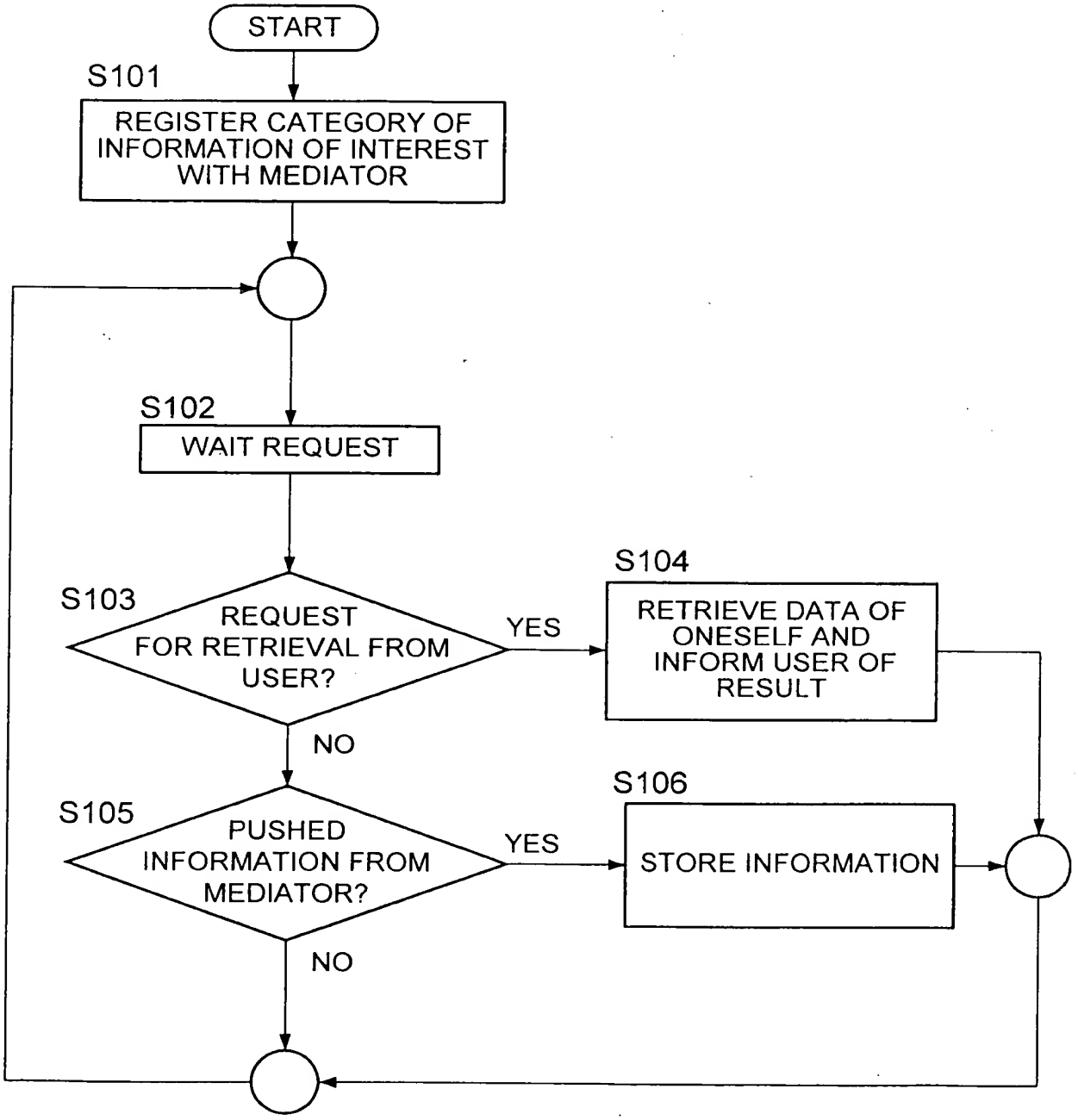
START
S101
REGISTER CATEGORY OF INFORMATION OF INTEREST WITH MEDIATOR
S102
WAIT REQUEST
S103
REQUEST FOR RETRIEVAL FROM USER?
YES
S104
RETRIEVE DATA OF ONESELF AND INFORM USER OF RESULT
NO
S105
PUSHED INFORMATION FROM MEDIATOR?
YES
S106
STORE INFORMATION
NO

Fig. 10

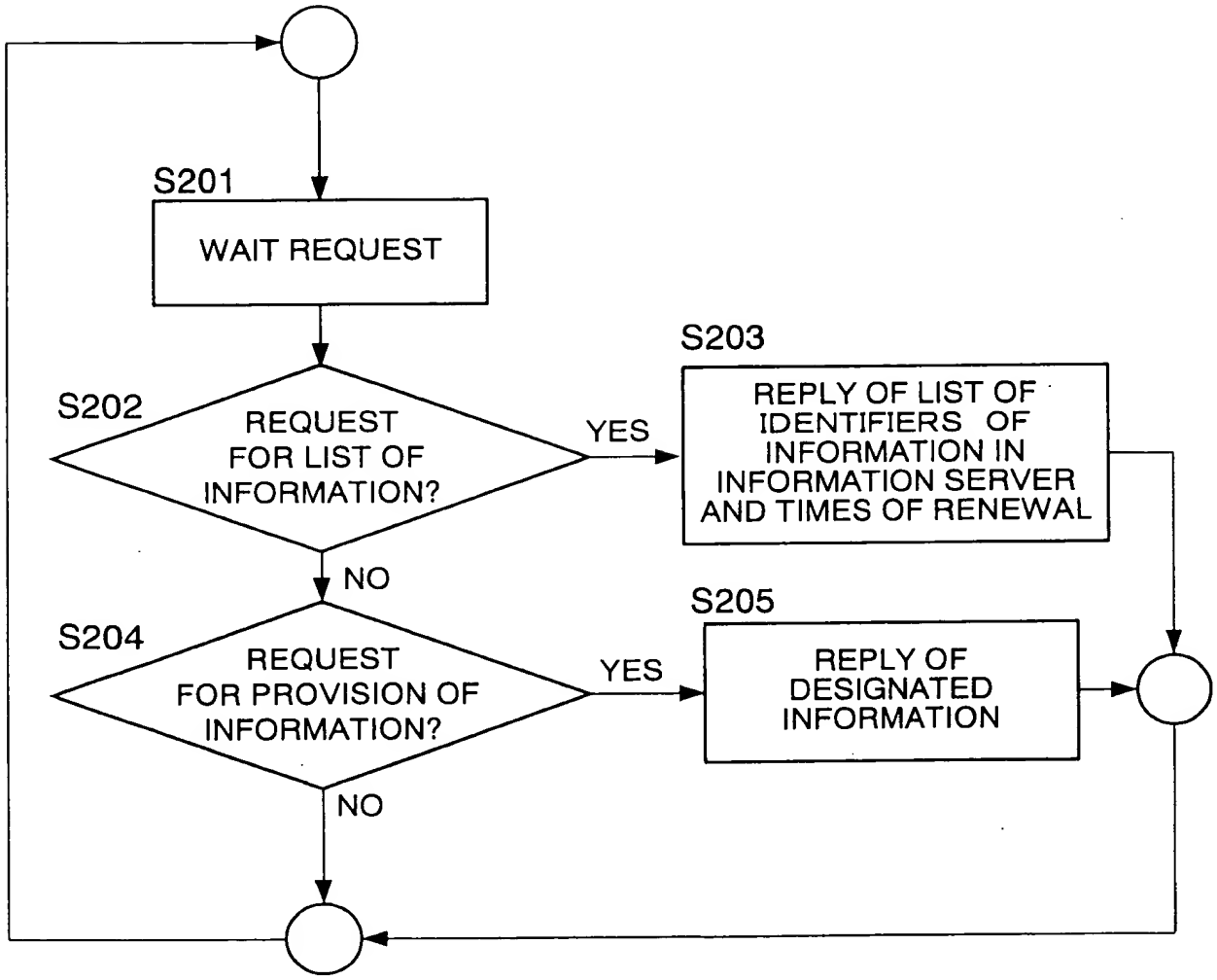
S201
WAIT REQUEST
S202
REQUEST FOR LIST OF INFORMATION?
YES
S203
REPLY OF LIST OF IDENTIFIERS OF INFORMATION IN INFORMATION SERVER AND TIMES OF RENEWAL
NO
S204
REQUEST FOR PROVISION OF INFORMATION?
YES
S205
REPLY OF DESIGNATED INFORMATION
NO

Fig. 11

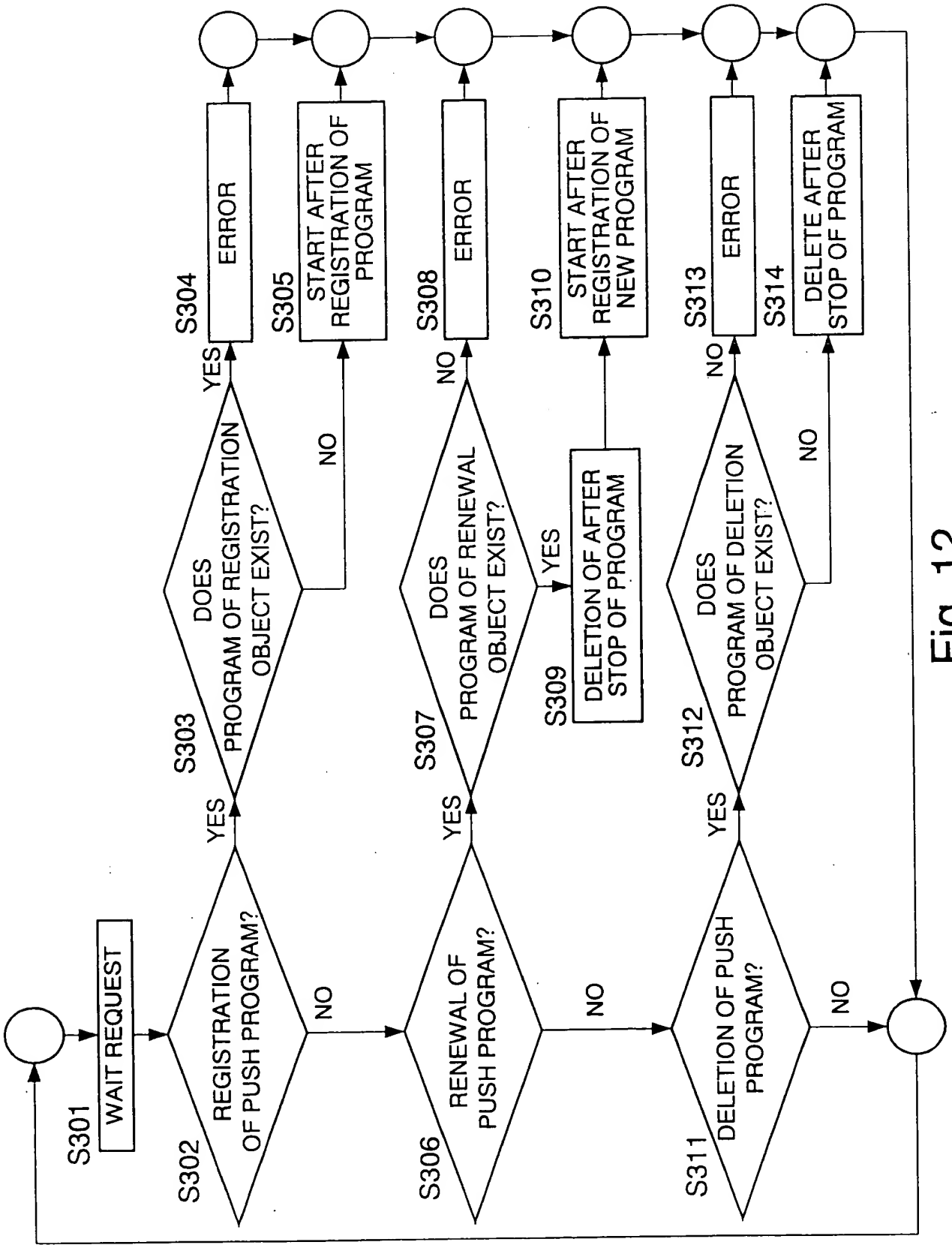
S301
WAIT REQUEST
S302
REGISTRATION OF PUSH PROGRAM?
YES
NO
S303
DOES PROGRAM OF REGISTRATION OBJECT EXIST?
YES
NO
S304
ERROR
S305
START AFTER REGISTRATION OF PROGRAM
S306
RENEWAL OF PUSH PROGRAM?
YES
NO
S307
DOES PROGRAM OF RENEWAL OBJECT EXIST?
YES
NO
S308
ERROR
S309
DELETION OF AFTER STOP OF PROGRAM
S310
START AFTER REGISTRATION OF NEW PROGRAM
S311
DELETION OF PUSH PROGRAM?
YES
NO
S312
DOES PROGRAM OF DELETION OBJECT EXIST?
YES
NO
S313
ERROR
S314
DELETE AFTER STOP OF PROGRAM

Fig. 12

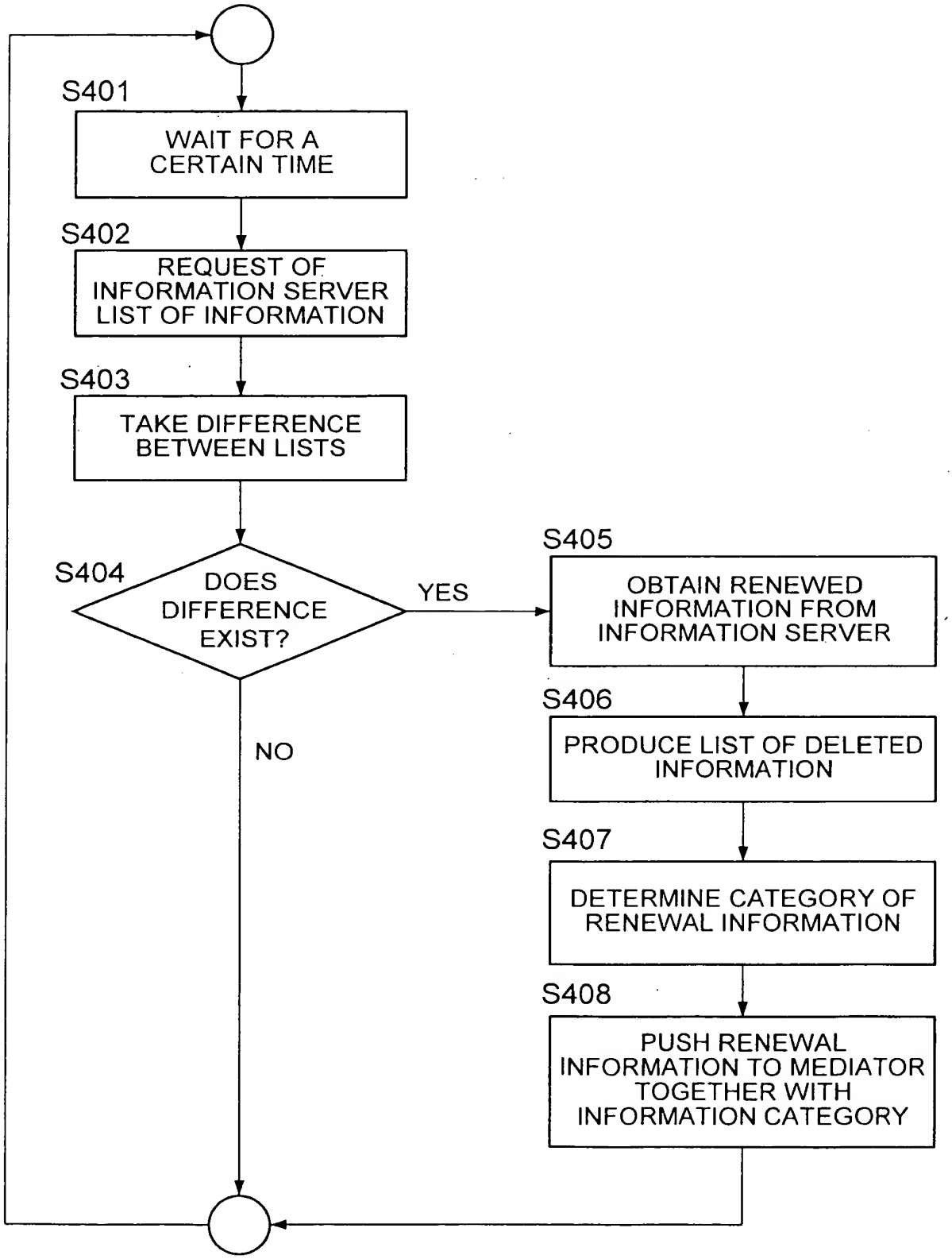
S401
WAIT FOR A CERTAIN TIME
S402
REQUEST OF INFORMATION SERVER LIST OF INFORMATION
S403
TAKE DIFFERENCE BETWEEN LISTS
S404
DOES DIFFERENCE EXIST?
YES
NO
S405
OBTAIN RENEWED INFORMATION FROM INFORMATION SERVER
S406
PRODUCE LIST OF DELETED INFORMATION
S407
DETERMINE CATEGORY OF RENEWAL INFORMATION
S408
PUSH RENEWAL INFORMATION TO MEDIATOR TOGETHER WITH INFORMATION CATEGORY

Fig. 13

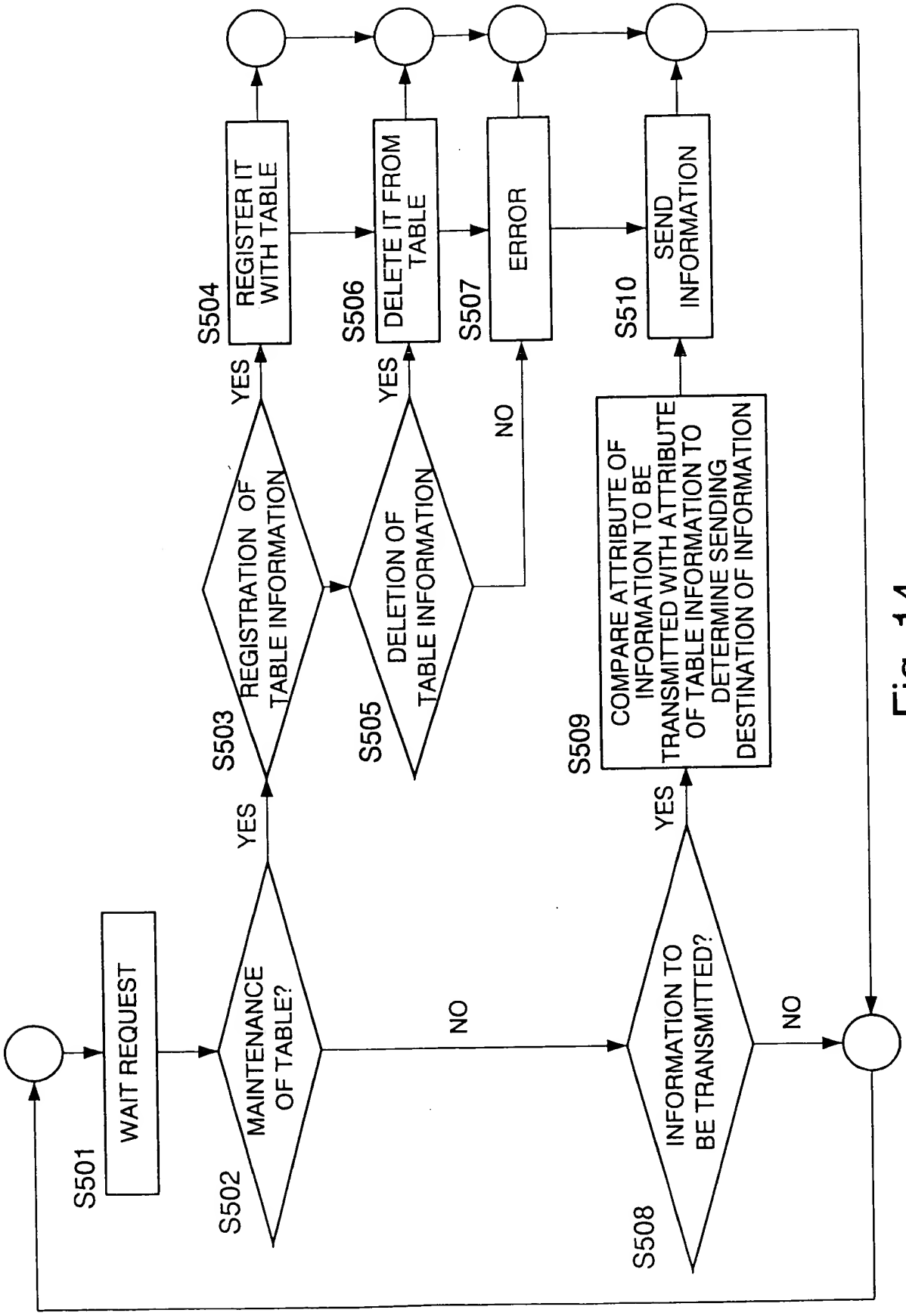
S501
WAIT REQUEST
S502
MAINTENANCE OF TABLE?
YES
NO
S503
REGISTRATION OF TABLE INFORMATION
YES
S504
REGISTER IT WITH TABLE
S505
DELETION OF TABLE INFORMATION
YES
S506
DELETE IT FROM TABLE
NO
S507
ERROR
S508
INFORMATION TO BE TRANSMITTED?
YES
S509
COMPARE ATTRIBUTE OF INFORMATION TO BE TRANSMITTED WITH ATTRIBUTE OF TABLE INFORMATION TO DETERMINE SENDING DESTINATION OF INFORMATION
S510
SEND INFORMATION
NO

Fig. 14

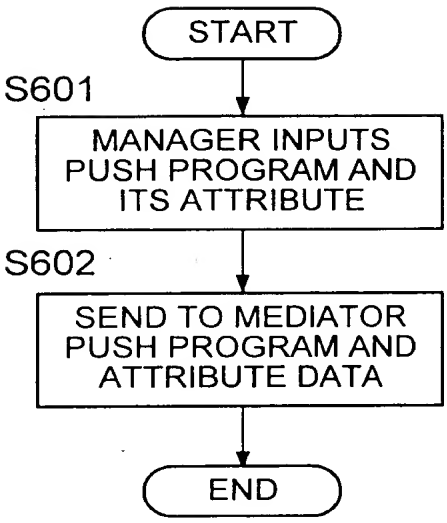
START
S601
MANAGER INPUTS PUSH PROGRAM AND ITS ATTRIBUTE
S602
SEND TO MEDIATOR PUSH PROGRAM AND ATTRIBUTE DATA
END

Fig. 15